

<b>AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT</b>				1. Contract ID Code		PAGE	
2. Amendment/Modification No. <div style="text-align: center;">0002</div>		3. EFFECTIVE DATE <div style="text-align: center;">3 JUNE 02</div>		4. REQUISITION / PURCHASE REQUEST <div style="text-align: center;">N66001-0322-6341</div>		5. Project No. (if applicable)	
6. ISSUED BY <div style="text-align: center;">CODE</div>			7. ADMINISTERED BY (If other than Item 6) <div style="text-align: center;">CODE</div>				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, state and ZIP + 4 Code)				(X)		9a. Amendment of Solicitation No. N66001-02-R-5010	
				X		9b. Dated (See Item 11) 13 MAY02	
						10a. Modification of Contract / Order No. /	
						10b. Dated (See Item 11)	
CAGE CODE		CEC (facility) CODE					
<b>11. THIS ITEM APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS</b>							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [ ] is extended, [ X ] is not extended.							
<i>Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:</i> (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. <b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
<b>12. ACCOUNTING AND APPROPRIATION DATA (If required)</b>							
NA							
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
<input checked="" type="checkbox"/> A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
<input type="checkbox"/> B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)							
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> Is Not, <input type="checkbox"/> Is required to sign this document and return _____ copies to the issuing office.							
<b>14. DESCRIPTION OF AMENDMENT/MODIFICATION</b> (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
The purpose of this modification is to clarify questions posed by prospective offerors, add revised pages, add applicable attachments and correct the hour and date specified for receipt of offers under Amendment 0001. The hour and date for receipt of offers is revised to read: The hour and date for receipt of offers is hereby extended to 3pm Pacific Standard Time 10 July 02. See page 2 of 2 hereto for contractor questions and answers.							
<i>Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.</i>							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME OF CONTRACTING OFFICER (Type or print)			
15B. NAME OF CONTRACTOR		15C. Date Signed		16B. UNITED STATES OF AMERICA		16C. Date Signed	
BY _____ (Signature of person authorized to sign)				BY _____ (Signature of Contracting Officer)			

**QUESTIONS AND ANSWERS FOR SOLICITATION N66001-02-R-5010**

**AMENDMENT 0002**

1. **QUESTION:** Will the government please provide clarification on L-328 Estimated Level of Effort on Pages 78 through 80. There are no straight time man-hours for the Field Technician Labor category, but there are 2,000 hours of Overtime assigned for Field Technician. Also the total hours do not appear to be correct. The total hours listed in the RFP are 117,800; however, they only total 113,800.

**ANSWER:** Amendment 0001 corrected page 79 and added the labor category and hours for Field Technician. Change the hours for all years for the Sr. Field Technician from 2,000 hours to 4,000 hours. The total hours for each year should now total 117,800 hours. Replace page 79 in its entirety with the new corrected page 79 attached hereto.

2. **QUESTION:** Page 53, Section J, lists Attachment IV as "Personnel Qualifications." Attachment IV is "Key Personnel Qualifications"; no other qualifications are given for other labor categories. Will the government provide the qualification requirements for all contract labor categories listed on page 78 through 80?

**ANSWER:** The Non-Key Personnel Qualifications are attached hereto to be included as part of Attachment IV Personnel Qualifications.

3. **QUESTION:** Amendment 0001, Attachment IV-I requires that the Offeror complete the category, individual name and total hours, and annual hours to the proposed contract. The Matrix shows total hours at the bottom of the form, implying that the sum of all hours represented must total 117,800 hours. The instructions indicate that the Attachment IV is only for key personnel/categories. Will the Government confirm that Attachment IV-1 should be filled out for all key personnel/categories (100% of all key category hours)?

**ANSWER:** The Attachment IV-1 Personnel Matrix is only for key personnel categories. The total hours for key personnel is 90,000. Replace Attachment IV-1 in its entirety with the new Attachment IV-1 attached hereto.

Unix Inform Sys Spec	8,000	8,000	8,000	8,000	8,000
NT Inform Sys Spec	4,000	4,000	4,000	4,000	4,000
Installation Design Eng	2,000	2,000	2,000	2,000	2,000
Sr Install Tech (K)	4,000	4,000	4,000	4,000	4,000
Install Tech	8,000	8,000	8,000	8,000	8,000
Sr Field Tech (K)	4,000	4,000	4,000	4,000	4,000
Field Tech	2,000	2,000	2,000	2,000	2,000
O/H Repair Technician	2,000	2,000	2,000	2,000	2,000
Electronic Mechanic	28,000	28,000	28,000	28,000	28,000
Mechanical Assembler	10,000	10,000	10,000	10,000	10,000
Welder	4,000	4,000	4,000	4,000	4,000
Draftsman	2,000	2,000	2,000	2,000	2,000
Labor Category	Year One	Year Two	Year Three	Year Four	Year Five
<b>Straight Time</b>					
Config Mgmt Specialist	2,000	2,000	2,000	2,000	2,000
Tech Writer/ Doc Spec	2,000	2,000	2,000	2,000	2,000
Design Eng Mechanical	2,000	2,000	2,000	2,000	2,000
Intergrated Log Spec	2,000	2,000	2,000	2,000	2,000
Warehouse-man	2,000	2,000	2,000	2,000	2,000
Assistant	2,000	2,000	2,000	2,000	2,000
<b>Overtime</b>					
Software Engineer	400	400	400	400	400
Network Sys Analyst	400	400	400	400	400
UNIX Info Sys Spec	800	800	800	800	800
NT Info Sys Spec	400	400	400	400	400

### **Non-Key Desired Personnel Qualifications**

The contractor shall provide personnel who are fully qualified and competent to perform the full range of tasks described in the SOW. The desired qualifications for non-key personnel under this contract are stated below.

#### **INSTALLATION DESIGN ENGINEER**

Education: A Bachelor of Science degree in Engineering

General Experience: Six (6) years experience in the development of design packages for SHIPALT installations including conducting weight and moment analyses.

#### **SR. INSTALLATION TECHNICIAN**

Education: An Associate's degree in an electronics related field. A graduate of a military or technical school in an electronics or communications curriculum

General Experience. Eight (8) years experience in the AIT installation of shipboard electronic systems. This experience should include the following areas: preparing planning documents such as Work Breakdown Structures and Plan of Action and Milestones for executing installations from initiation to completion; leading/managing installation efforts; interfacing with military and civilian personnel; performing system level testing, fault isolation, and repair; providing on-the-job training on equipment/system operation to shipboard personnel; and using shipboard installation standards.

#### **INSTALLATION TECHNICIAN**

Four (4) years experience in the AIT installation of shipboard electronic systems. This experience should include the following areas: serving as member of installation teams; performing system level testing, fault isolation, and repair; providing on-the-job training on equipment/system operation to shipboard personnel; and using shipboard installation standards.

#### **SENIOR FIELD TECHNICIAN (ANTENNA)**

Eight (8) years experience in the installation and/or maintenance of communication antennas. This experience should include the following areas: preparing planning documents such as Work Breakdown Structures and Plan of Action and Milestones for executing installations from inception to completion; leading/managing installation efforts; interfacing with military and civilian personnel; designing antenna matching networks and matching antennas; conducting EMI and RFI testing; performing testing, fault isolation, and repair of antenna systems; providing on-the-job training on radio communication system operation and maintenance to shipboard personnel; and experience with the following types of antennas and antenna subsystems: Discone Cage; Fan Antennas; Phased Arrays; Rhombic; Periodic Log; Phased Spiral; Inverted Cones; Phased Colinear; 1/4, 1/2, 5/8 Full Wave Towers, and 18, 22, 35 ft spun aluminum and fiberglass whips; antenna tilt mechanisms.

**Non-Key Desired Personnel Qualifications****SENIOR FIELD TECHNICIAN**

Eight (8) years experience in the test, inspection, and repair of shipboard electronic systems. This experience should include the following: leading/managing test and inspection efforts; interfacing with military and civilian personnel; performing system level testing, fault isolation, and repair; providing on-the-job training on equipment/system operation and maintenance to shipboard personnel; debriefing test results to ships force and other cognizant personnel.

**FIELD TECHNICIAN**

Four (4) years experience in the test, inspection and repair of shipboard electronic systems. This experience should include the following: member of test and inspection team; performing equipment level testing, fault isolation, and repair; providing on-the-job training on equipment/system operation and maintenance to shipboard personnel.

**OVERHAUL REPAIR TECHNICIAN**

Should be 2M certified and have six (6) years experience in the overhaul and/or repair of communication equipment including antenna tilt mechanisms.

**ELECTRONIC MECHANIC**

Four (4) years experience performing electro-mechanical assembly of a wide variety of electrical, electronic, and mechanical parts into subassemblies, assemblies, subsystems and systems. This experience should include the following: reading, interpreting and applying information from schematics, wire diagrams, wire lists, mechanical drawings and assembly drawings in electro-mechanical assembly; assembling and wiring high density electronic connectors, switchboards, equipment racks, etc.

**MECHANICAL ASSEMBLER**

Two (2) years experience in assembly, installation and/or removal of electronic chassis and equipment enclosures/racks and in installation and/or removal of cable harnesses, coaxial lines, cable ducts and cable racks.

**WELDER**

Should be HY-80 certified and should be HY-100 certified for specific material and process in accordance with MIL-STD-248 prior to performing production work. Should have five (5) years experience in electric arc, gas shield arc and gas welding. Experience should include executing welds in all positions, with all types of metals and alloys with, particular reference to aluminum and steel, in various shapes including pipes, structural forms, plates, sheet-metal, bar stock, machinery and equipment.

**Non-Key Desired Personnel Qualifications****DRAFTSMAN**

Should have four (4) years experience in the development of shipboard installation drawings. Should have two (2) years experience with computer aided drafting AUTOCAD version 12.0 or higher in accordance with military drawing standards.

**CONFIGURATION MANAGEMENT SPECIALIST**

Should have eight (8) years of DOD/Industry experience in configuration management that shows an understanding of the impact that configuration management has on cost, operation, response and maintenance and knowledge of engineering, technical, and maintenance operations and applicable military standards, specifications, policies and procedures including developing Configuration Management Plans, performing Physical and Functional Configuration Audits, and Configuration Status Accounting Reports.

**TECHNICAL WRITER/DOCUMENTATION SPECIALIST**

Should have eight (8) years of DOD/Industry experience in developing, preparing, reviewing, critiquing and updating electronic/electro-mechanical equipment and system technical manuals and experience in the preparation of test plans, procedures, and reports.

**DESIGN ENGINEER (MECHANICAL)**

Should have Bachelor of Science degree in Mechanical Engineering and six (6) years of DOD/industry experience in the design of mechanical devices and antenna tilt mechanisms.

**ILS SPECIALIST**

Should have six (6) years of DOD/industry experience in logistics with at least three (3) years of general experience in providing logistics services required to support equipment and systems acquisition in at least one of the functional elements of ILS. Should have three (3) years specialized experience which demonstrates an in-depth understanding of military logistics support programs including developing Integrated Logistics Support Plans (ILSPs).

**WAREHOUSEMAN**

Should have three (3) years experience in the management and inventory control of material and equipment including researching, ordering, tracking, receipt, inspection, inventory and distribution of equipment and material in the support of government contracts.

**ASSISTANT**

Should have three ( 3) years experience with word processing and various database software and be able to type at least 60 WPM, and produce cable running sheets, spreadsheets, and technical reports.

**Non-Key Desired Personnel Qualifications****SOFTWARE ENGINEER**

- Should have B.S. degree in Computer Science or Information System or equivalent
- Should have four (4) years experience in the installation, setup, configuration and troubleshooting of UNIX (including HP10.20 and Sun Solaris) Operating Systems.
- Should have four (4) years experience in the installation, setup, configuration of MS Windows NT based servers and workstation , including associated Sever applications (MS Exchange, SQL, Proxy, IIS)
- Should be MSCE certified.
- Should have experience with naval information systems and shipboard network administration experience.

**NETWORK SYSTEMS ANALYST**

- Should have an Associate degree in Information Systems or equivalent.
- Should be MSCE certified.
- Should have a minimum 3 years experience in the installation, configuration, and troubleshooting of Ethernet and ATM based LAN's including switch based architectures.
- Should have minimum 3 years experience in the router and switch configuration.
- Experience with naval information systems and shipboard network administration experience.
- Should be CISCO router and switch certified

**UNIX INFORMATION SYSTEMS SPECIALIST**

- Associate degree in Information Science or equivalent.
- Should have a minimum of 2 years experience in the installation, configuration and troubleshooting of UNIX based operating systems (including HP 10.20 and Sun Solaris)
- Experience with naval information systems and shipboard network experience.
- Experience with naval data communication feeds.

**NT INFORMATION SYSTEMS SPECIALIST**

- Associate degree in Information Systems or equivalent
- Should be MSCE certified
- Should have a minimum of 2 years experience in installation, setup, configuration , and troubleshooting of the Microsoft Windows NT operating systems for servers and workstations.
- Should have a minimum of 2 years experience with the installation, setup, configuration and troubleshooting of various Microsoft server and workstations application including:
  - MS Exchange Server
  - MS Internet Information Server
  - MS Proxy Server
  - MS SQL Server
  - MS Office (including Outlook)
- Experience with naval information systems and shipboard network experience.

## ATTACHMENT IV-1 PERSONNEL MATRIX

In accordance with Provision L-345 “Personnel Resume Requirements” of this solicitation, complete and submit the following matrix to identify the allocation of hours per year for each key person proposed. There are an identified number of minimum people to be assigned to each personnel category. Offerors can propose and list herein more personnel than the minimum. The total number of hours proposed for all the individuals in each category must add up to 100% of the estimated annual hours for that category.

[illegible]